

WHAT IS CLAIMED IS:

1. A method of treating potato wastewater comprising the steps of:
 - (a) treating a potato wastewater stream containing suspended free starch particles with a potato starch-complexing emulsifier to form starch particle-emulsifier complexes, and
 - (b) separating at least part of said complexes from the remainder of said wastewater stream.
2. The method of Claim 1 wherein said separating is performed by a separation method selected from the group consisting of filtration, density separation, and combinations thereof.
3. The method of Claim 1 in which said separated complexes, with or without further treatment, are mixed with a food for human or animal consumption.
4. The method of Claim 1 in which said separated complexes, with or without further treatment, are mixed with microbiological growth media.
5. The method of Claim 1 in which said emulsifier is selected from the group consisting of monoglycerides, diglycerides, and mixtures and derivatives thereof.
6. The method of Claim 1 in which said emulsifier in step (a) comprises at least about 0.1% by weight of the total solids content, BDS, in the potato wastewater stream.
7. The method of Claim 1 further comprising stabilizing said separate agglomerates.
8. The method of Claim 1 performed in the substantial absence of added enzyme.
9. The method of Claim 1 performed in the substantial absence of added hydrocolloid.

10. The method of Claim 1 performed in the substantial absence of pH adjustment.
11. A separated potato complex made by the process of Claim 1.
12. A separated potato complex made by the process of Claim 7.
13. The separated potato starch complex of Claim 11, with or without further processing, mixed with a food selected from the group consisting of comminuted, uncomminuted, and restructured meat, seafood, poultry products, grain products, beans, vegetable products, and soups, marinades, and stews.
14. The separated potato starch complex product of Claim 1 mixed, with or without further processing, with ground meat.
15. A separated potato starch complex made by the process of Claim 1, with or without further processing, for use in a food for human or animal consumption, said potato starch complex comprising at least about 2000 mg/100g, BDS, glutamic acid.
16. A separated potato starch complex made by the process of Claim 1, with or without further processing, for use in a food for human or animal consumption, said potato starch complex comprising at least about 2500 mg/100g, BDS, aspartic acid.
17. A potato product comprising a separated potato starch complex made by the process of Claim 1, with or without further process, for use in food for human or animal consumption, said potato starch complex comprising at least about 10g/100g, BDS, protein.
18. The potato product of Claim 17 mixed with a food selected from the group consisting of comminuted, uncomminuted, and restructured meat, seafood, poultry products, grain products, beans, vegetable products, and soups, marinades, and stews.
19. The potato product of Claim 17 in admixture with comminuted meat.

20. The potato product of Claim 17 substantially free of added enzyme or a hydrocolloid.